

TABLE 4B

Nassau County Department of Health
WATER QUALITY TESTING OF NEW/RENOVATED PUBLIC WATER SUPPLY FACILITIES

2015

| TYPE OF WORK | REQUIRED WATER QUALITY TESTING/SAMPLE TIME COLLECTION | | | | |
|---|--|--|---|-------------------|--|
| | The facility must be shut down overnight prior to sample collection | | | | |
| | Microbiological (MIC) Chlorine residual must be field measured & recorded in Laboratory reports | Principal Organic Contaminant (POC) | Specific Organic Chemicals (SOC) | Inorganic (IOC) | OTHER |
| New Well | 0', 2', 5', 10', 30' | 2' & 30' | 30' | 2' | Radionuclide at 30' |
| Well Rehabilitation | 0', 2', 5', 10', 30' | 2' | ----- | 2' | ----- |
| New Water Storage Tank | 2', 30' and 60' | 30' | ----- | 30' | ----- |
| Repainting of a Water Storage Tank | 2', 30' and 60' | 30' | ----- | 30' | ----- |
| New Fe/Mn Removal Treatment And Media Replacement | Raw: 0', 2', 5', 10', 30' & Treated: 0', 2', 5', 10', 30' from <u>each</u> tank | 2' Treated | ----- | 30' Raw & Treated | Fe/Mn 0', 2', 5', 10', 30' from <u>each</u> tank effluent. |
| New PTA | Raw: 0', 2', 5', 10', 30' & Treated: 0', 2', 5', 10', 30' from each PTA | 30' Raw and Treated | ----- | 30' Treated | ----- |
| PTA Modification | Raw: 0', 2', 5', 10', 30' & Treated: 0', 2', 5', 10', 30' from each PTA | 30' Raw & Treated | ----- | 30' Treated | ----- |
| New GAC Treatment | Raw: 0', 2', 5', 10', 30' & Treated: 0', 2', 5', 10', 30' from each tank | 30' Raw & 2', 30' Treated From each vessel | 30' Raw & Treated Only if treatment is designed for SOC removal | 30' Raw & Treated | Arsenic 0', 2', 5', 10', 30' from each tank effluent |
| Change of Carbon | 0', 2', 5', 10', 30' Treated from each tank | 2' & 30' Treated | 30' Treated Only if treatment is designed for removal of SOCs | 30' Treated | Arsenic 0', 2', 5', 10', 30' from each tank effluent |
| New Nitrate or Perchlorate Treatment | Raw: 0', 2', 5', 10', 30' & Treated: 0', 2', 5', 10', 30' from each tank | 2' Treated | ----- | 30' Raw & Treated | ----- |
| Change of Nitrate/Perchlorate Media | 0', 2', 5', 10', 30' Treated from each tank | 2' Treated | ----- | 30' Treated | ----- |

Water Main Installations - Two (2) consecutive sets of bacteriological samples, taken 24 hours apart, must be collected from every 1,200 ft of new main, the end of the line and from each branch. Samples should be collected after final flushing and when the chlorine concentration in the water leaving the main is no higher than that generally prevailing in the distribution system (ANSI/AWWA C651 Standard). Chlorine residual must be field measured & recorded in Laboratory reports.

The water supplier is required to collect the first set of samples. If the results are satisfactory, NCDH will collect a second set of confirmatory samples (Exception: water main installations). NCDH requires 2 consecutive sets of satisfactory water quality results and compliance with all conditions of engineering plan approval prior to the release of a new or renovated water supply facility.